Figure 2. Location of Sensitive Areas in Mission Lake.

Table 1.   **Wildlife Uses of Aquatic Plants in Sensitive Area 1: Mission Lake**

Aquatic Plants	Fish	Water Fowl	Song and Shore Birds	Upland Game Birds	Muskrat	Beaver	Deer
<u>Submergent Plants</u>							
Bidens beckii		F (seeds)					
Ceratophyllum demersum	F,I*, C, S	F(Seeds*) I, C			F		
Chara sp.	F*, S	F*, I*					
Myriophyllum sibiricum	F*, I*, S	F(Seeds, Foliage)	F(Seeds)		F		
Najas flexilis	F, C	F*(Seeds, Foliage)	F(Seeds)				
Potamogeton illinoensis	F, I, S*,C	F*(Seeds)	F		F*	F	F
Potamogeton natans	F, I, S*,C	F*(Seeds, Tubers)			F*	F	F
Potamogeton pusillus	F, I, S*,C	F*(All)			F*	F	F
Potamogeton richardsonii	F, I, S*,C	F*(All)			F*	F	F
Potamogeton strictifolius	F, C	F(Seeds)					
Potamogeton zosteriformis	F, I, S*,C	F*(Seeds)			F*	F	F
Utricularia gibba	F, C, I*	I*			F		
Vallisneria americana	F*, C, I, S	F*, I	F		F		

Aquatic Plants	Fish	Water Fowl	Song and Shore Birds	Upland Game Birds	Muskrat	Beaver	Deer
Floating-leaf Plants							
Brasenia schreberi	S, I, C	F(Seeds)			F	F	F
Nuphar variegata	F,C, I, S	F, I	F		F*	F	F*
Nymphaea odorata	F,I, S, C	F(Seeds)	F		F	F	F
Emergent Plants							
Alnus incana				F, C		F	F
Asclepias incarnata				Fibers for nests	Roots		
Carex comosa	S	F(Seeds) C	F(Seeds)	F(Seeds)	F	F	F
Chamaedaphne calyculata				F			F
Typha latifolia	I, C, S	F(Entire) C	F(Seeds) C, Nest	Nest	F* (Entire) C*, Lodge	F	

F=Food, I= Shelters Invertebrates, a valuable food source, C=Cover, S=Spawning
*=Especially Valuable Resource in this category
  *Current knowledge as to plant use. Other plants may have uses that have not been determined.
      After Fassett, N. C. 1957. A Manual of Aquatic Plants. University of Wisconsin Press. Madison, WI
        Nichols, S. A. 1991. Attributes of Wisconsin Lake Plants. Wisconsin Geological and Natural History Survey. Info. Circ. 73

Table 2. **Wildlife Uses of Aquatic Plants in Sensitive Area 2: Mission Lake**

Aquatic Plants	Fish	Water Fowl	Song and Shore Birds	Upland Game Birds	Muskrat	Beaver	Deer
Submergent Plants							
Ceratophyllum demersum	F,I*, C, S	F(Seeds*) I, C			F		
Chara sp.	F*, S	F*, I*					
Elodea canadensis	C, F, I	F(Foliage) I					
Myriophyllum sibiricum	F*, I*, S	F(Seeds, Foliage)	F(Seeds)		F		
Najas flexilis	F, C	F*(Seeds, Foliage)	F(Seeds)				
Potamogeton foliosus	F, I, S*,C	F*(All)			F*	F	F
Potamogeton natans	F, I, S*,C	F*(Seeds, Tubers)			F*	F	F
Potamogeton pusillus	F, I, S*,C	F*(All)			F*	F	F
Potamogeton richardsonii	F, I, S*,C	F*(All)			F*	F	F
Potamogeton strictifolius	F, C	F(Seeds)					
Potamogeton zosteriformis	F, I, S*,C	F*(Seeds)			F*	F	F
Vallisneria americana	F*, C, I, S	F*, I	F		F		

Aquatic Plants	Fish	Water Fowl	Song and Shore Birds	Upland Game Birds	Muskrat	Beaver	Deer
Floating-leaf Plants							
Brasenia schreberi	S, I, C	F(Seeds)			F	F	F
Nuphar variegata	F,C, I, S	F, I	F		F*	F	F*
Nymphaea odorata	F,I, S, C	F(Seeds)	F		F	F	F
Emergent Plants							
Alnus incana				F, C		F	F
Cornus spp.			F (berry)	F (berry)		F	F (berry)
Iris versicolor		F, C	F		F		
Typha latifolia	I, C, S	F(Entire) C	F(Seeds) C, Nest	Nest	F* (Entire) C*, Lodge	F	

F=Food, I= Shelters Invertebrates, a valuable food source, C=Cover, S=Spawning
*=Especially Valuable Resource in this category

*Current knowledge as to plant use. Other plants may have uses that have not been determined.

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Table 3.   **Wildlife Uses of Aquatic Plants in Site 3: Mission Lake**

Aquatic Plants	Fish	Water Fowl	Song and Shore Birds	Upland Game Birds	Muskrat	Beaver	Deer
Submergent Plants							
Bidens beckii		F (seeds)					
Ceratophyllum demersum	F,I*, C, S	F(Seeds*), I, C			F		
Chara sp.	F*, S	F*, I*					
Elodea canadensis	C, F, I	F(Foliage) I					
Myriophyllum sibiricum	F*, I*, S	F(Seeds, Foliage)	F(Seeds)		F		
Najas flexilis	F, C	F*(Seeds, Foliage)	F(Seeds)				
Potamogeton gramineus	F, I, S*,C	F*(Seeds, Tubers)			F*	F	F
Potamogeton pusillus	F, I, S*,C	F*(All)			F*	F	F
Potamogeton richardsonii	F, I, S*,C	F*(All)			F*	F	F
Potamogeton zosteriformis	F, I, S*,C	F*(Seeds)			F*	F	F
Emergent Plants							
Sagittaria latifolia		F, C	F(Seeds), C	F	F	F	

F=Food, I= Shelters Invertebrates, a valuable food source, C=Cover, S=Spawning
*=Especially Valuable Resource in this category

Table 4.   **Wildlife Uses of Aquatic Plants in Sensitive Area 4: Mission Lake**

Aquatic Plants	Fish	Water Fowl	Song and Shore Birds	Upland Game Birds	Muskrat	Beaver	Deer
Submergent Plants							
Bidens beckii		F (seeds)					
Ceratophyllum demersum	F,I*, C, S	F(Seeds*), I, C			F		
Chara sp.	F*, S	F*, I*					
Elodea canadensis	C, F, I	F(Foliage) I					
Myriophyllum sibiricum	F*, I*, S	F-Seeds,Foliage	F(Seeds)		F		
Najas flexilis	F, C	F*Seeds,Foliage	F(Seeds)				
Nitella sp.		F, I*					
Potamogeton gramineus	F, I, S*,C	F* Seeds,Tubers			F*	F	F
Potamogeton illinoensis	F, I, S*,C	F*(Seeds)	F		F*	F	F
Potamogeton natans	F, I, S*,C	F* Seeds,Tubers			F*	F	F
Potamogeton pusillus	F, I, S*,C	F*(All parts)			F*	F	F
Potamogeton richardsonii	F, I, S*,C	F*(All)			F*	F	F
Potamogeton zosteriformis	F, I, S*,C	F*(Seeds)			F*	F	F
Utricularia gibba	F, C, I*	I*			F		
Utricularia purpurea	F, C						
Vallisneria americana	F*, C, I, S	F*, I	F		F		
Zosterella dubia	F, C, S	F(Seeds)					

Aquatic Plants	Fish	Water Fowl	Song and Shore Birds	Upland Game Birds	Muskrat	Beaver	Deer
Floating-leaf Plants							
Brasenia schreberi	S, I, C	F(Seeds)			F	F	F
Nuphar variegata	F,C, I, S	F, I	F		F*	F	F*
Nymphaea odorata	F,I, S, C	F(Seeds)	F		F	F	F
Emergent Plants							
Alnus incana				F, C		F	F
Chamaedaphne calyculata				F			F
Sagittaria sp.		F*, C	F(Seeds), C	F, C	F	F	

F=Food, I= Shelters Invertebrates, a valuable food source, C=Cover, S=Spawning
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 *Current knowledge as to plant use. Other plants may have uses that have not been determined.
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Table 5.   **Wildlife Uses of Aquatic Plants in Sensitive Area 5: Mission Lake**

Aquatic Plants	Fish	Water Fowl	Song and Shore Birds	Game Birds	Muskrat	Beaver	Deer
Submergent Plants							
Ceratophyllum demersum	F,I*, C, S	F(Seeds*) I, C			F		
Chara sp.	F*, S	F*, I*					
Elodea canadensis	C, F, I	F(Foliage) I					
Myriophyllum sibiricum	F*, I*, S	FSeeds/Foliage	F(Seeds)		F		
Najas flexilis	F, C	F*Seeds/Foliag	F(Seeds)				
Najas guadalupensis	F, C	F*Seeds/Foliag					
Potamogeton gramineus	F, I, S*,C	F*Seeds/Tuber			F*	F	F
Potamogeton illinoensis	F, I, S*,C	F*(Seeds)	F		F*	F	F
Potamogeton richardsonii	F, I, S*,C	F*(All)			F*	F	F
Potamogeton zosteriformis	F, I, S*,C	F*(Seeds)			F*	F	F
Sagittaria sp.		F*, C	F(Seeds), C	F, C	F	F	
Vallisneria americana	F*, C, I, S	F*, I	F		F		
Zosterella dubia	F, C, S	F(Seeds)					
Floating-leaf Plants							
Brasenia schreberi	S, I, C	F(Seeds)			F	F	F
Nuphar variegata	F,C, I, S	F, I	F		F*	F	F*
Nymphaea odorata	F,I, S, C	F(Seeds)	F		F	F	F

Table 6. **Wildlife Uses of Aquatic Plants in Sensitive Area 6: Mission Lake**

Aquatic Plants	Fish	Water Fowl	Song and Shore Birds	Upland Game Birds	Muskrat	Beaver	Deer
Submergent Plants							
Bidens beckii		F (seeds)					
Ceratophyllum demersum	F,I*, C, S	F(Seeds*), I, C			F		
Chara sp.	F*, S	F*, I*					
Elodea canadensis	C, F, I	F(Foliage) I					
Myriophyllum sibiricum	F*, I*, S	F(Seeds, Foliage)	F(Seeds)		F		
Najas flexilis	F, C	F*(Seeds, Foliage)	F(Seeds)				
Potamogeton foliosus	F, I, S*,C	F*(All)			F*	F	F
Potamogeton gramineus	F, I, S*,C	F*(Seeds, Tubers)			F*	F	F
Potamogeton pusillus	F, I, S*,C	F*(All)			F*	F	F
Potamogeton richardsonii	F, I, S*,C	F*(All)			F*	F	F
Potamogeton strictifolius	F, C	F(Seeds)					
Potamogeton zosteriformis	F, I, S*,C	F*(Seeds)			F*	F	F
Utricularia gibba	F, C, I*	I*			F		
Utricularia purpurea	F, C						
Vallisneria americana	F*, C, I, S	F*, I	F		F		

Aquatic Plants	Fish	Water Fowl	Song and Shore Birds	Upland Game Birds	Muskrat	Beaver	Deer
Floating-leaf Plants							
Brasenia schreberi	S, I, C	F(Seeds)			F	F	F
Nuphar variegata	F,C, I, S	F, I	F		F*	F	F*
Nymphaea odorata	F,I, S, C	F(Seeds)	F		F	F	F
Polygonum amphibium	I, S	F*(Seeds)		F(Seeds)	F(Seeds)		F(Seeds)
Spirodela polyrhiza	F	F		F			
Emergent Plants							
Alnus incana				F, C		F	F
Asclepias incarnata				Fibers for nests	Roots		
Calamagrostis spp.					F*		F*
Chamaedaphne calyculata				F			F
Eleocharis smallii (palustris)	I	F, C					
Equisetum fluviatile		F		F	F		
Pontederia cordata	F, I, C	F*(Seeds), C			F		
Typha latifolia	I, C, S	F, C	F(Seeds), C, Nest	Nest	F* C* Lodge	F	

F=Food, I= Shelters Invertebrates, a valuable food source, C=Cover, S=Spawning
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  *Current knowledge as to plant use. Other plants may have uses that have not been determined.
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Table 7.   **Wildlife Uses of Aquatic Plants in Sensitive Area 7: Mission Lake**

Aquatic Plants	Fish	Water Fowl	Song and Shore Birds	Upland Game Birds	Muskrat	Beaver	Deer
Submergent Plants							
Chara sp.	F*, S	F*, I*					
Elodea canadensis	C, F, I	F-Foliage I					
Najas flexilis	F, C	F*(Seeds, Foliage)	F(Seeds)				
Potamogeton foliosus	F, I, S*,C	F*(All)			F*	F	F
Potamogeton illinoensis	F, I, S*,C	F*(Seeds)	F		F*	F	F
Potamogeton richardsonii	F, I, S*,C	F*(All)			F*	F	F
Potamogeton zosteriformis	F, I, S*,C	F*(Seeds)			F*	F	F
Vallisneria americana	F*, C, I, S	F*, I	F		F		
Emergent Plants							
Alnus incana				F, C		F	F
Calamagrostis spp.					F*		F*
Carex spp.	S	F(Seeds) C	F(Seeds)	F(Seeds)	F	F	F
Chamaedaphne calyculata				F			F
Eleocharis smallii (palustris)	I	F, C					
Typha latifolia	I, C, S	F(Entire) C	F(Seeds), C, Nest	Nest	F* C*, Lodge	F	

F=Food, I= Shelters Invertebrates, a valuable food source, C=Cover, S=Spawning
*=Valuable Resource in this category

Table 8.   **Wildlife Uses of Aquatic Plants in Sensitive Area 8: Mission Lake**

Aquatic Plants	Fish	Water Fowl	Song and Shore Birds	Muskrat	Beaver	Deer
Submergent Plants						
Chara sp.	F*, S	F*, I*				
Myriophyllum sibiricum	F*, I*, S	F(Seeds, Foliage)	F(Seeds)	F		
Najas flexilis	F, C	F*(Seeds, Foliage)	F(Seeds)			
Potamogeton illinoensis	F, I, S*,C	F*(Seeds)	F	F*	F	F
Potamogeton richardsonii	F, I, S*,C	F*(All)		F*	F	F
Vallisneria americana	F*, C, I, S	F*, I	F	F		
Floating-leaf Plants						
Nuphar variegata	F,C, I, S	F, I	F	F*	F	F*

F=Food, I= Shelters Invertebrates, a valuable food source, C=Cover, S=Spawning
*=Valuable Resource in this category
  *Current knowledge as to plant use. Other plants may have uses that have not been determined.
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         Nichols, S. A. 1991. Attributes of Wisconsin Lake Plants. Wisconsin Geological and Natural History Survey. Info. Circ. 73